

1	CCACGCGTC	GCATATAATC	AGCAGCGCGC	CGGAGAAACC	CGCAATCTCT	GGCCCCACAA	AATACACCGA	CGATGCCCCG	TCTACTTTAA	GGCTGAAAC
	GGGTGCGCAG	CGGTATTATG	TCGTGCGCGC	GCCTCTTGGG	CGCTTAGAGA	CGCGGTGCTT	TTATGTGGCT	GCTACGGGCT	AGATGAAATT	CCCGACTTTC
101	CCACGGGCT	GAGAGACTAT	AAGAGCGTTC	CCTACCGCCA	TGGAACAAAC	GGGACAGAAC	GGCCCGCGCG	CTTCGGGGGG	CCGAAAAGG	CACGGGCCAG
1	GGTCCCGGA	CTCTCTGATA	TTCTCGCAG	GGATGGCGGT	ACCTTGTTGC	CCCTGTCTTG	CGGGCGCGCG	GAAGCCCCCG	GGCCTTTTCC	GTGCGGGTCC
					MetGluGln	ArgGlnAsn	AlaProAla	AspGlyAla	ArgLysArg	HisGlyProGly
201	GACCCAGGA	GGCGCGGGGA	GCCAGGCGTG	GGCTCCGGGT	CCCCAAGACC	CTTGCTGCTG	TTGTGCGCGC	GGTCCCTGCTG	TTGGTCTCAG	CTCAGTCTGC
	CTGGTCCCT	CGCGCGCCCT	CGGTCCGGAC	CCGAGGCCCA	GGGGTCTCTG	GAACACGAGC	AACAGCGGGG	CCAGGACGAC	AACCAGAGTC	GACTCAGACG
22	ProArgG1	uAlaArgGly	AlaArgProG	lyLeuArgVa	lProLysThr	LeuValLeuV	alValAlaAl	avalLeuLeu	LeuValSera	laGluSeraAla
301	TCTGATCAC	CAACAAGACC	TAGCTCCCCA	GCAGAGAGCG	GGCCCAACAC	AAAAGAGGTC	CAGCCCCCTCA	GAGGATTTGT	GTCCACCTGG	ACACCATATC
	AGACTAGTG	GTGCTCTCTG	ATCGAGGGGT	CGTCTCTCGC	CGGGGTGTTG	TTTTCTCCAG	GTGCGGGAGT	CTCCCTAACCA	CAGGTGGACC	TGTGGTATAG
55	LeuileThr	GlnGlnAspL	euAlaProG1	nGlnArgAla	AlaProGlnG	lnLysArgse	rserProser	GluGlyLeuc	ysProProG1	yHisHisile
401	TCAGAAGACG	GTAGAGATTG	CATCTCCTGC	AAATATGGAC	AGGACTATAG	CACCTCACTGG	AATGACCTCC	TTTTCTGCTT	GGGTGACCC	AGGTGTGATT
	AGTCTTCTGC	CATCTCTAAC	GTAGAGGACG	TTTATACCTG	TCCTGATATC	GTGAGTGACC	TTACTGGAGG	AAAAGACGAA	CGCGACGTGG	TCCACACTAA
-88	SerGluaspG	lyArgaspCy	sileSerCys	LysTyrGlyG	lnAspTyrse	rThrHisTrp	AsnAspLeuL	eupheCysLe	uArgCysThr	ArgCysAspser
501	CAGGTGAAGT	GGAGCTAAGT	CCCTGCACCA	CGACCAGAAA	CACAGTGTGT	CAGTGCGAAG	AAGGCACCTT	CCGGGAAGAA	GATTCTCCTG	AGATGTGCCG
	GTCCACTTCA	CCTCGATTCA	GGGACGTGGT	GCTGGTCTTT	GTGTCACACA	GTCAAGCTTC	TTCCGTGGAA	GGCCCTTCTT	CTAAGAGGAC	TCTACACGGC
122	GlyGluva	lGluLeuser	ProCysThrt	hrThrArgAs	lnThrValCys	GlnCysGluG	luglyThrPh	eArgGluGlu	AspserProG	luMetCysArg
601	GAAGTCCCGC	ACAGGGTGTG	CCAGAGGGAT	GGTCAAGGTC	GCTGATTGTA	CACCTGGAG	TGACATCGAA	TGTGTCCACA	AAGAATCAGG	CATCATCATA
	CTTCACGGCG	TGTCACACAG	GGTCTCCCTA	CCAGTTCACG	CCACTAACAT	GTGGGACCTC	ACTGTAGCTT	ACACAGGTGT	TTCTTAGTCC	GTAGTAGTAT
155	LysCysArg	ThrGlyCysP	roArgGlyMe	tvallYsVal	GlyAspCyst	hrProTrpse	rAspIleGlu	CysValHisL	ysGluSerG1	yleIleIle
701	GGAGTCACAG	TTGCAGCCCGT	AGTCTTGATT	GTGGCTGTGT	TTGTTTGCAA	GTCTTTACTG	TGGAAGAAAG	TCCTTCCCTTA	CCTGAAAAGCC	ATCTGCTCAG
	CCTCAGTGTG	AACGTCCGCA	TCAGAACTAA	CACCGACACA	AACAAACGTT	CAGAAATGAC	ACCTTCTTTC	AGGAAGGAAT	GGACTTTCCG	TAGACGAGTC
188	GlyValThrV	alAlaAlava	lValleuile	ValAlaValP	heValCysLy	sSerLeuLeu	TrpLysLysV	alleuProTy	rLeuLysGly	IleCysSerGly
801	GTGGTGGTGG	GGACCTGAG	CGTGTGGACA	GAAGCTCACA	AGACCTGGG	GCTGAGGACA	ATGTCTCTCA	TGAGATCGTG	AGTATCTTGC	AGCCACCCCA
	CACCACACCC	CCTGGGACTC	GCACACCTGT	CTTCGAGTGT	TGCTGGACCC	CGACTCCCTGT	TACAGGAGTT	ACTCTAGCAC	TCATAGAACG	TGGGTGGGT
222	GlyGlyG1	YaspProGlu	ArgValAspa	rgSerSerG1	narGProGly	AlaGluAspa	snValleuAs	ngluileVal	SerileLeuG	lnProThrGln
901	GGTCCCTGAG	CAGGAAATGG	AAGTCCAGGA	GCCAGCAGAG	CCACACAGGTG	TCAACATGTT	GTCCCCCGGG	GAGTCAGAGC	ATCTGCTGGA	ACCGGCAGAA
	CCAGGGACTC	GTCCTTTACC	TTCAGGTCCCT	CGGTGCTCTC	GGTTGTCAC	AGTTGTACAA	CAGGGGGCCC	CTCAGTCTCG	TAGACGACCT	TGCGCGTCTT
255	ValProGlu	GlnGluMetG	luValGlnG1	uProAlaGlu	ProThrGlyV	alasnMetle	userProGly	GluSerGluH	lsLeuLeuG1	uproAlaGlu
1001	GCTGAAAGGT	CTCAGAGGAG	GAGGTGCTG	GTTCACAGCAA	ATGAAGGTGA	TECCACTGAG	ACTCTGAGAC	AGTGTCTCGA	TGACTTTGCA	GACTTGGTGC
	CGACTTTCCA	GAGTCTCCTC	CTCCGACGAC	CAAGGTGCTT	TACTTCCACT	AGGTGACTC	TGAGACTCTG	TCACGAAAGCT	ACTGAAACCT	CTGAACCCAG
208	AlaGluArgS	erglnArgar	gArgLeuLeu	ValProAlaA	snGluGlyAs	pProThrGlu	ThrLeuArgg	lnCysPheAs	paspPheAla	AspLeuValPro

1101 CCTTTGACTC CTGGGAGCCG CTCATGAGGA AGTTGGCCCT CATGGACAAT GACATAAAGC TGGCTAAAGC TGAGGCAGCG GCCACAGGG ACACCTTGTA
GGAAGCTGAG GACCCCTGGC GAGTACTCCT TCAACCCGGA GTACCTGCTA CTGTATTTCG ACTCGTCCG CCGGTGTCCG TGTGGAACAT
322 Pheaspse rTTPGluPro LeuMetArgL yLeuGlyLe uMetAspAsn GluilelySV aAlaIySAI AGluAlaAla GlyHISArgA sPThrLeuTyR
1201 CACGATGCTG ATAAAGTGGG TCAACAAAC CGGGCGAGAT GCCTCTGTCC ACACCTGCT GCATGCCCTTG GAGACGCTGG GAGAGAGACT TGCCAAGCAG
GTGCTAGCAG TATTACCC AGTTGTTTTG GCCCGCTCTA CGGAGACAGG TGTGGACGA CCTACGGAAC CTCTGCGACC CTCTCTCTGA ACGGTTCCCTC
355 ThrMetLeu IleLysTrpV aAsnLysTh rGlyArgAsp AlaservAlH lSThrLeuLe uAspAlaLeu GluThrLeug lyGluArgLe uAlaLysGln
1301 AAGATTGAGG ACCACTTGTT GAGCTCTGGA AAGTTCAATG ATCTAGAAGG TAATGCACAC TCTGCCWTGT CCTAAGTGTG ATTCTCTTCA GGAAGTGAGA
TTCTAACTCC TGGTGAACAA CTCGAGACCT TTCAAGTACA TAGATCTTCC ATTACGTCTG AGACGGAACA GGATTACACAC TAAGAGAAGT CTTCACTCT
388 LysIleGluA sPHISLeuLe uSerSerGly LysPheMetT yLeuGluGl yAsnAlaAsp SerAlaXqqS eROG*
1401 CCTTCCCTGG TTTACCTTTT TTCTGGAAAA AGCCCAACTG GACTCCAGTC AGTAGGAAAG TGCCACAATT GTCACATGAC CGGTACTGGA AGAAACTCTC
GGAAGGGACC AAATGGAAAA AAGACCTTTT TCGGGTTGAC CTGAGGTCAG TCATCCTTTT ACGGTGTTAA CAGTGTACTG GCCATGACCT TCTTTGAGAG
1501 CCATCCAACA TCACCCAGTG GATGGAACAT CCTGTAACTT TTCACCTGCAC TTGGCATTAT TTTTATAAGC TGAATGTGAT AATAAGGACA CTATGGAAAT
GGTAGGTTGT AGTGGGTCAC CTACCTTGTA GGACATTGAA AAGTGACGTG AACCGTAATA AAAATATTTCG ACTTACACTA TTATTCTCTGT GATACCTTTA
1601 GTCTGGATCA TTCCGTTTGT CCGTACTTTG AGATTGTTGT TGGGATGTCA TTGTTTTTAC AGCACTTTTT TATCCTAATG TAAATGCTTT ATTTATTTAT
CAGACCTAGT AAGGCAACA CCGATGAAAC TCTAAACCAA ACCCTACAGT AACAAAAGTG TCGTGAAAAA ATAGGATTAC ATTTACGAAA TAAATAAATA
1701 TTGGGCTACA TTGTAAGATC CATCTACAAA AAAAAAAA TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT
AACCCGATGT AACATTCTAG GTAGATGTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT

Fig. 1 (cont.)

Fig. 2B

Apo2	NTMLIKWVVKTTGRD-ASVHTLLDALETLGEHLAKQKIED
DR4	YAMLMLWVVKTTGRN-ASVHTLLDALETLGEHLAKQKIQD
Apo3/DR3	YEMLKRWQQQP-AGLGAVYAALERMGLEDGCVEDLRS
TTNFR1	YSLMLATWRRRTTPRRFAATLELLTGRVLRDMDLGLCLEDTEEE
Fas/Apol	-QLDLRNWHLHCKKFA Y-DTLIKDKKANLCTLAEKHQT

Fig. 3

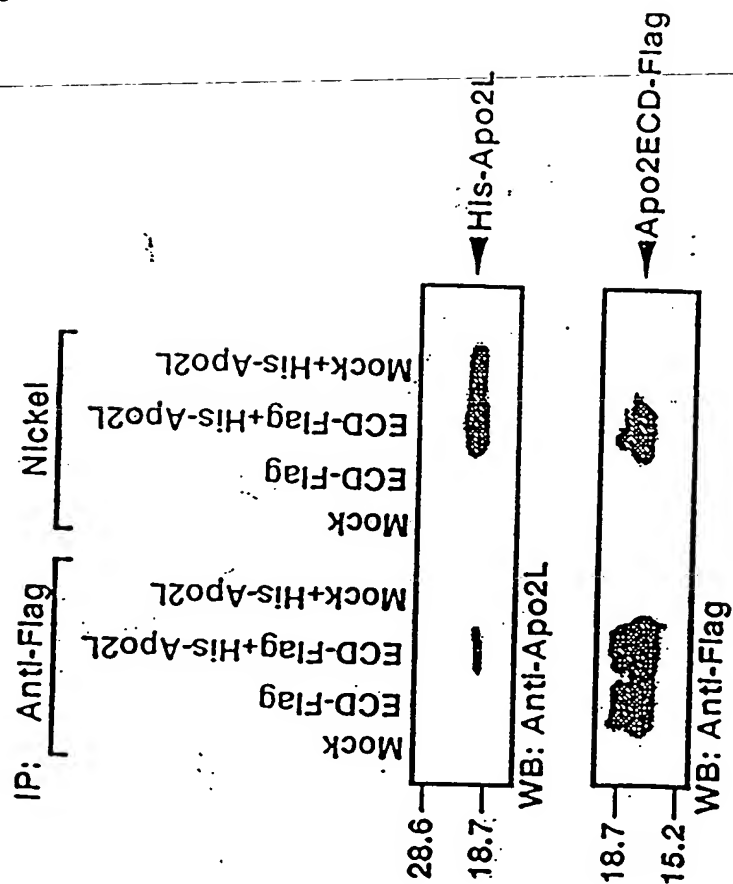
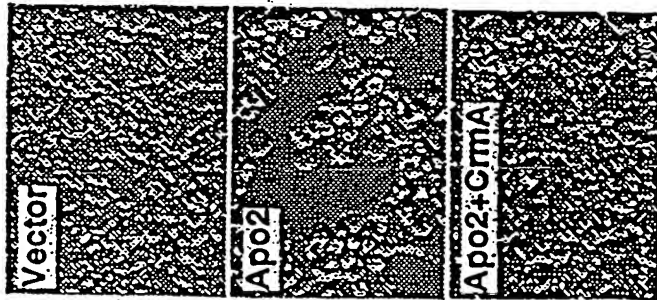
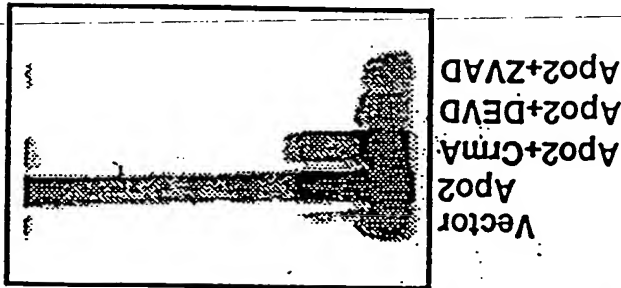


Fig. 4

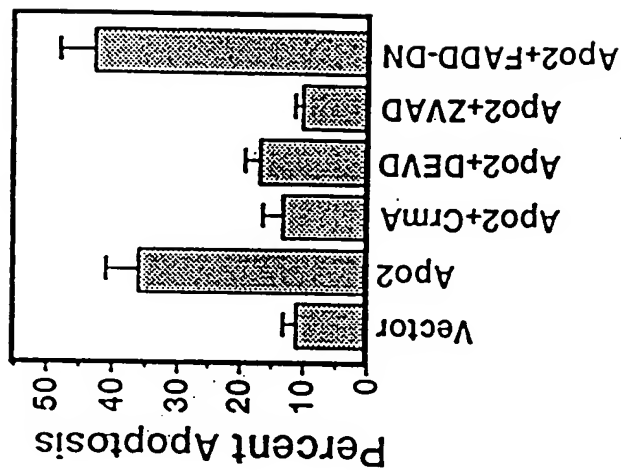
4A



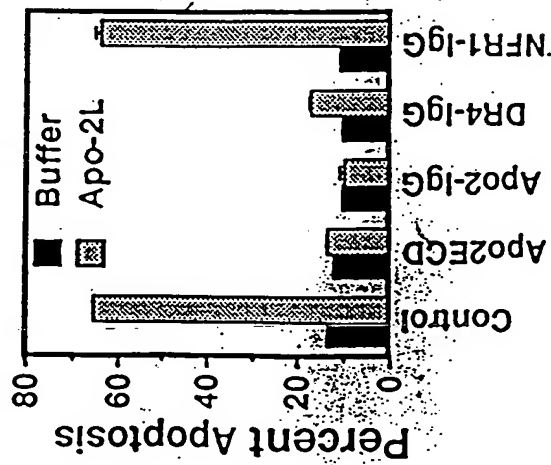
4B



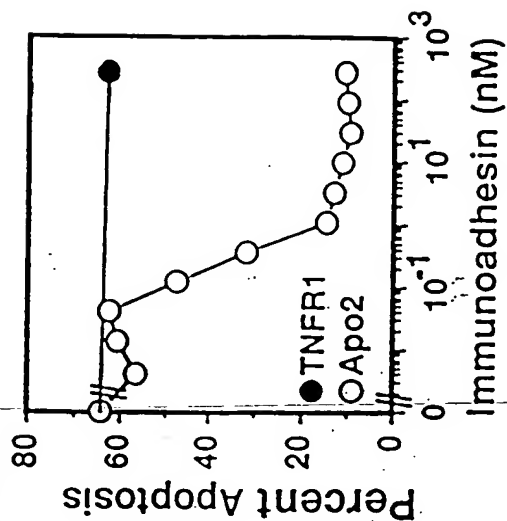
4C



4D



4E



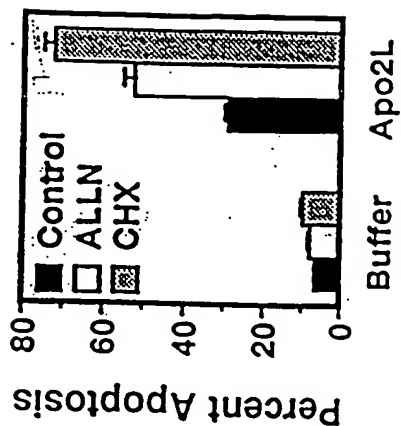
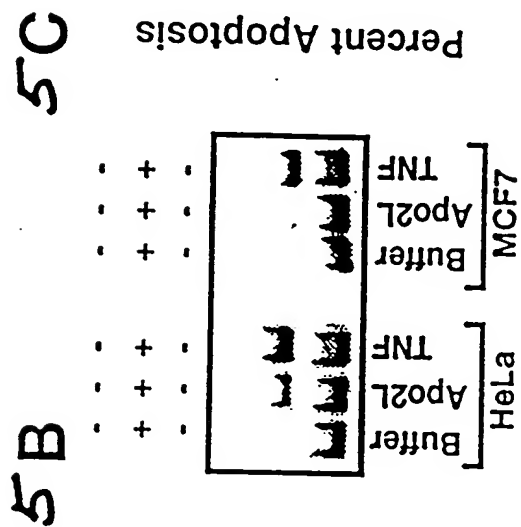
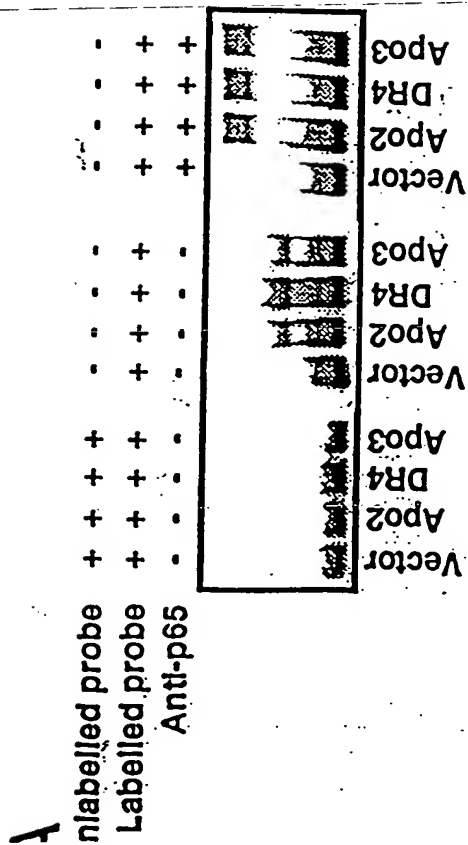
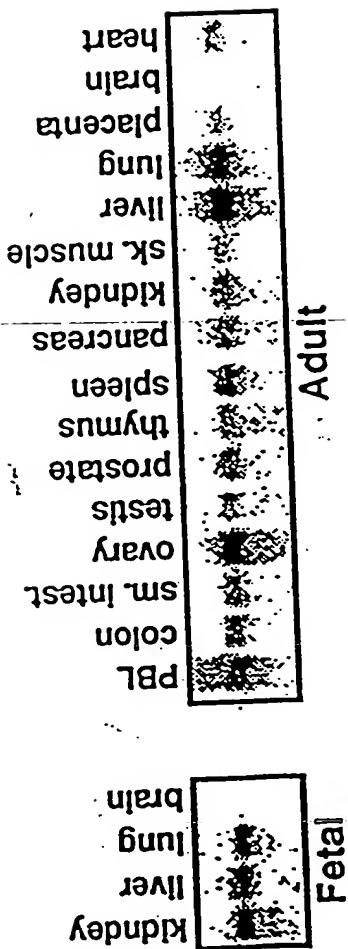


Fig. 5

FIG. 6A



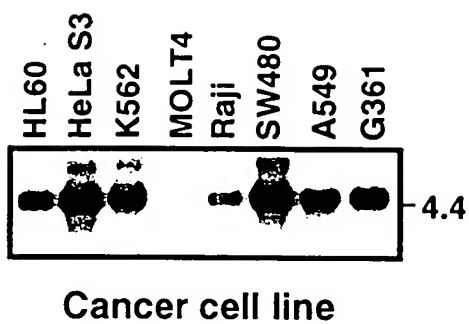


Fig. 6B

FOOT" 86/2500T

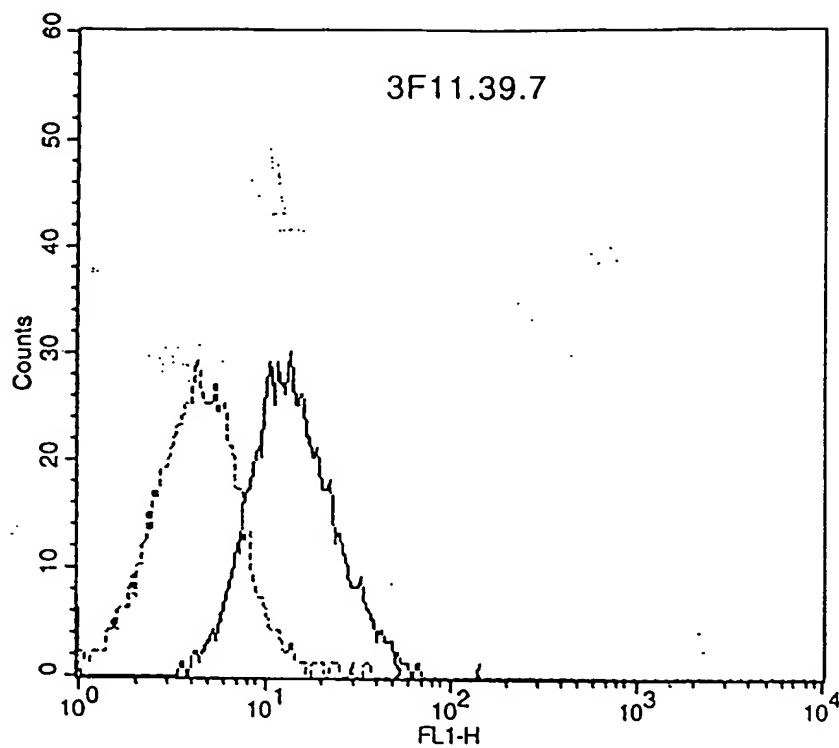


Fig. 7

102011 86/25001

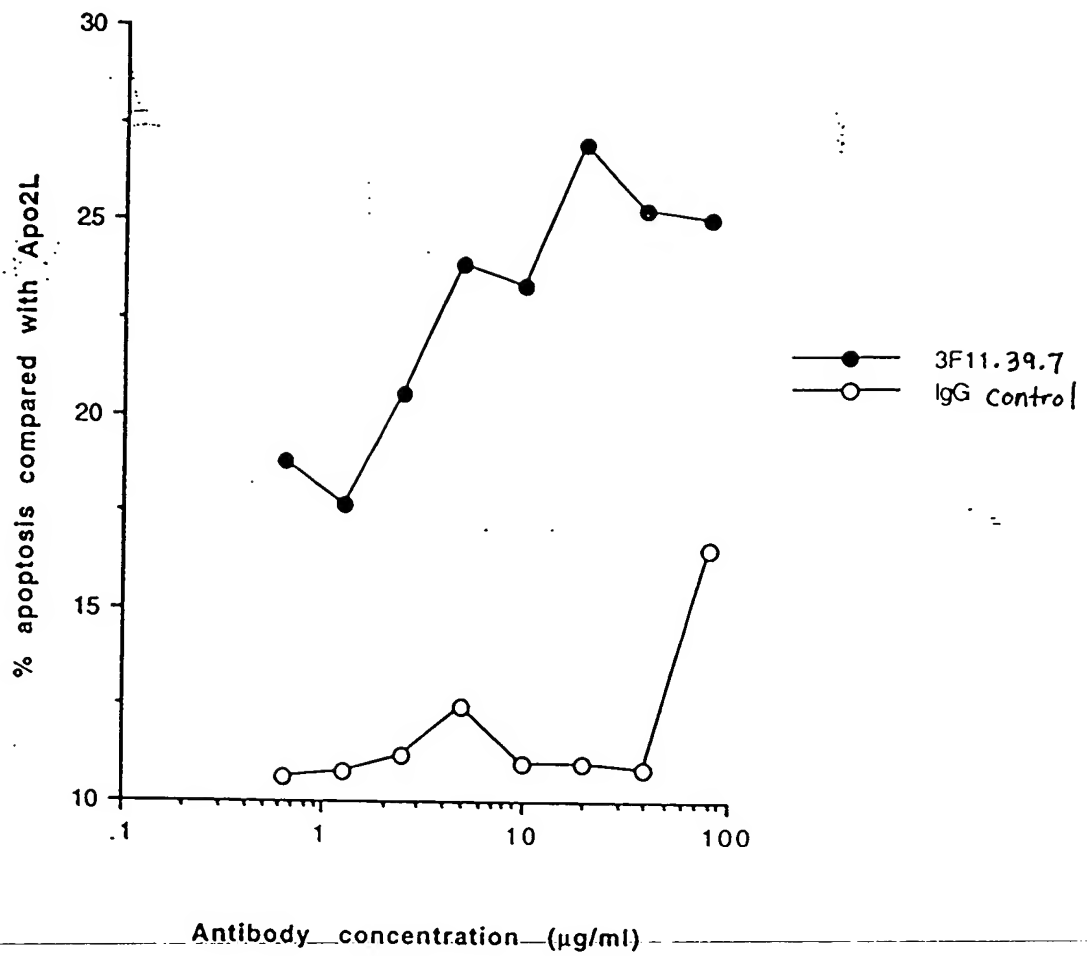


Fig. 8

1005798.110201

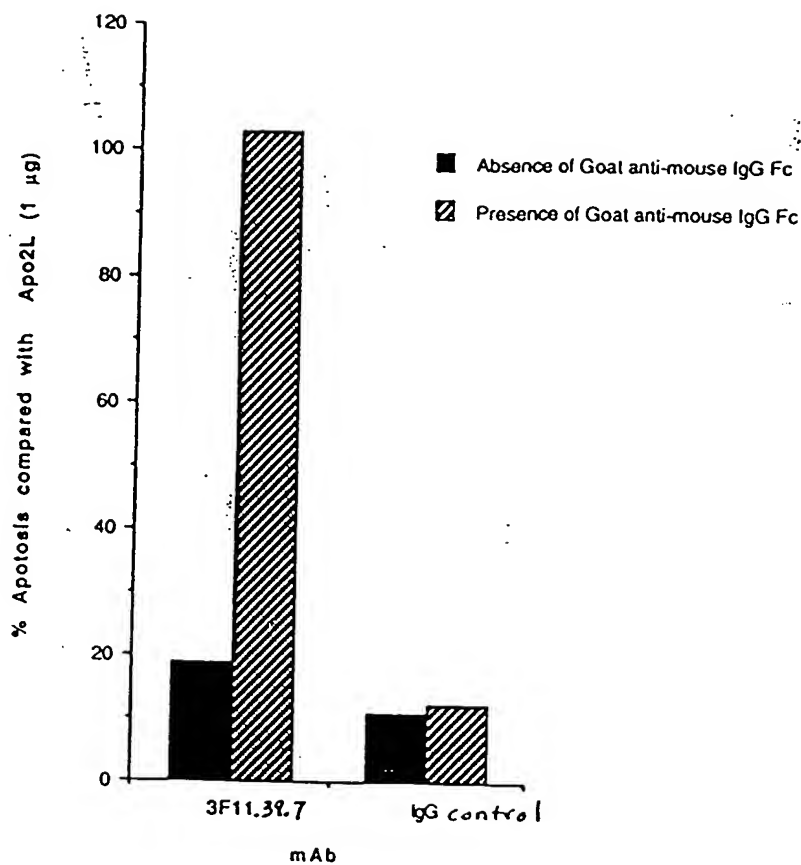


Fig. 9

FOOT 86/2500

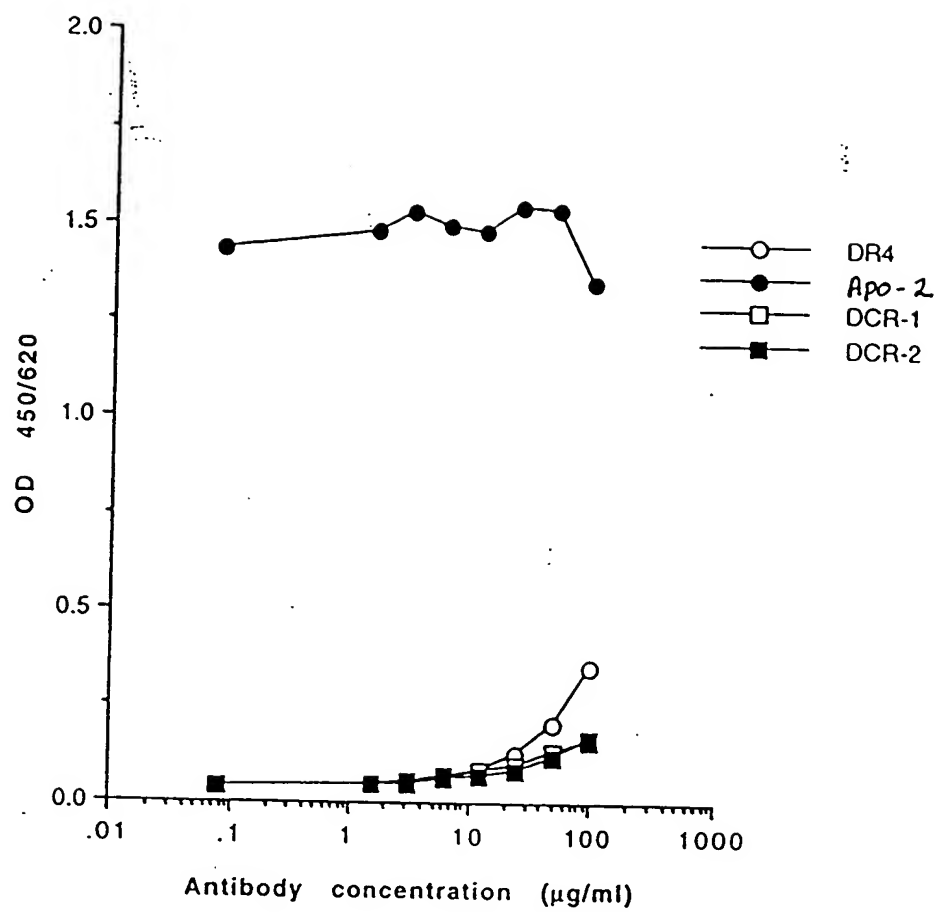


Fig. 11

10052798 110201

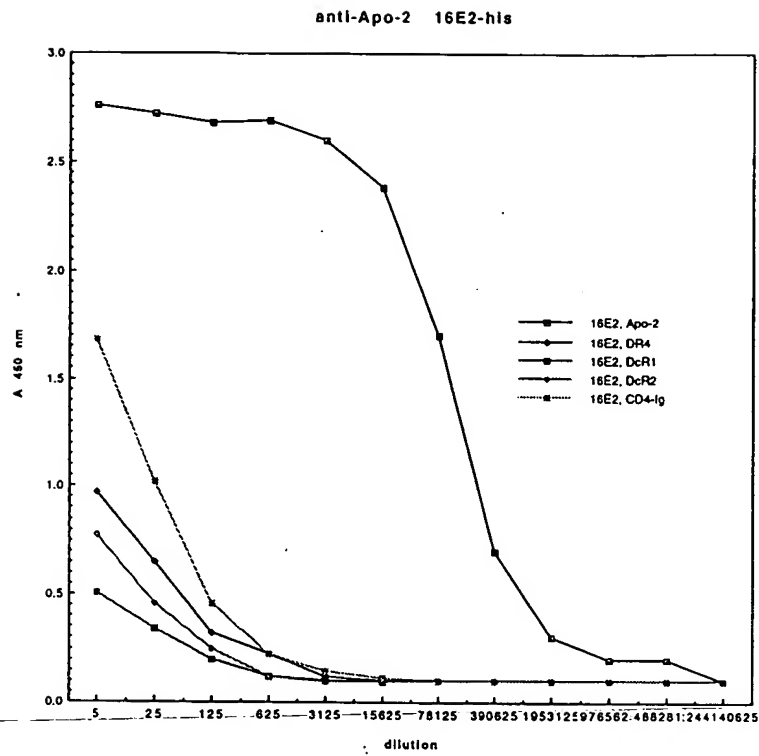


Fig. 12A

1005798-10201

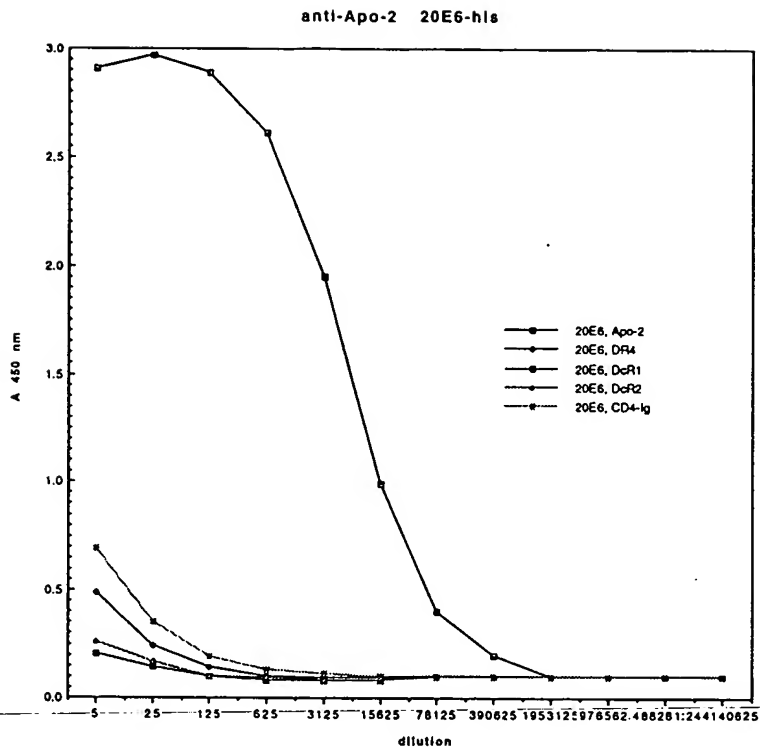


Fig. 12B

FOOT 8622507

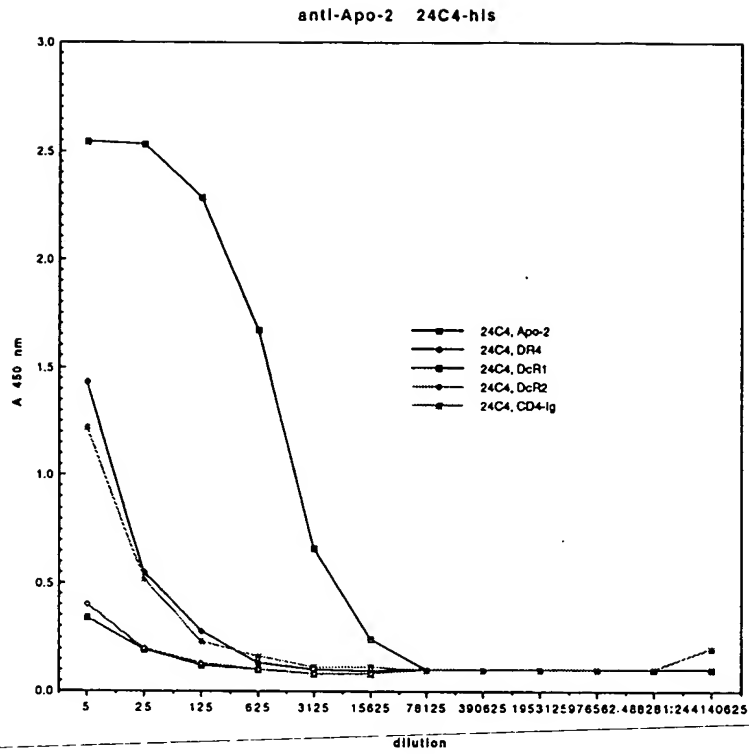


Fig. 12c

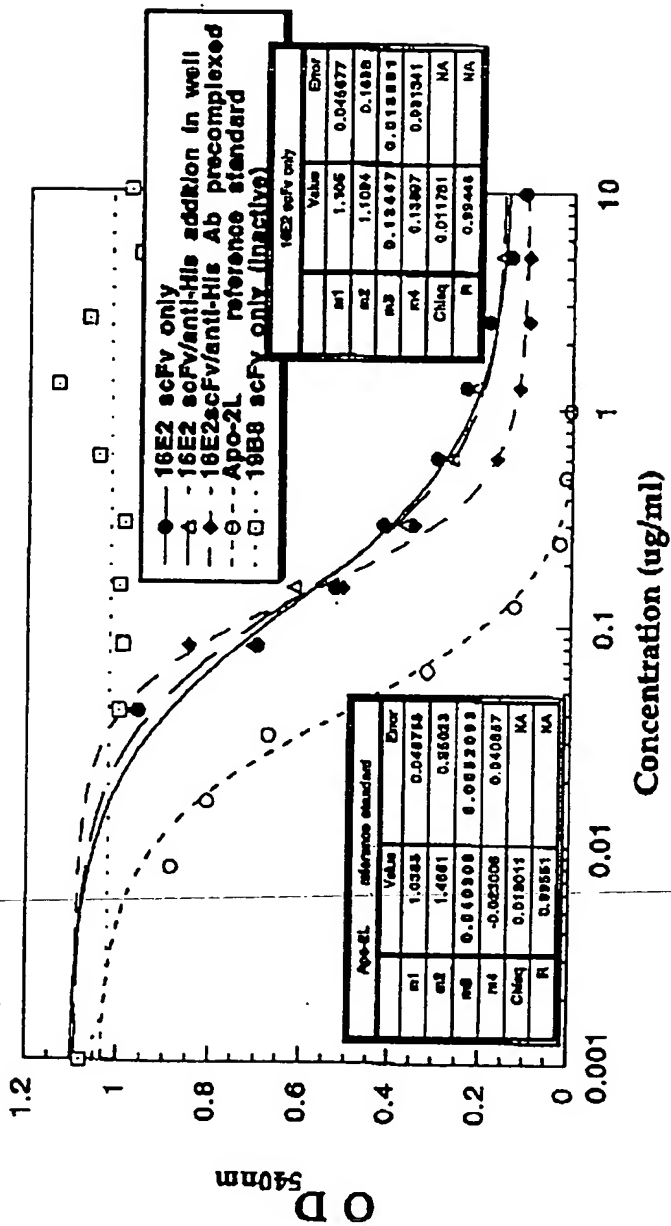


Fig. 13A

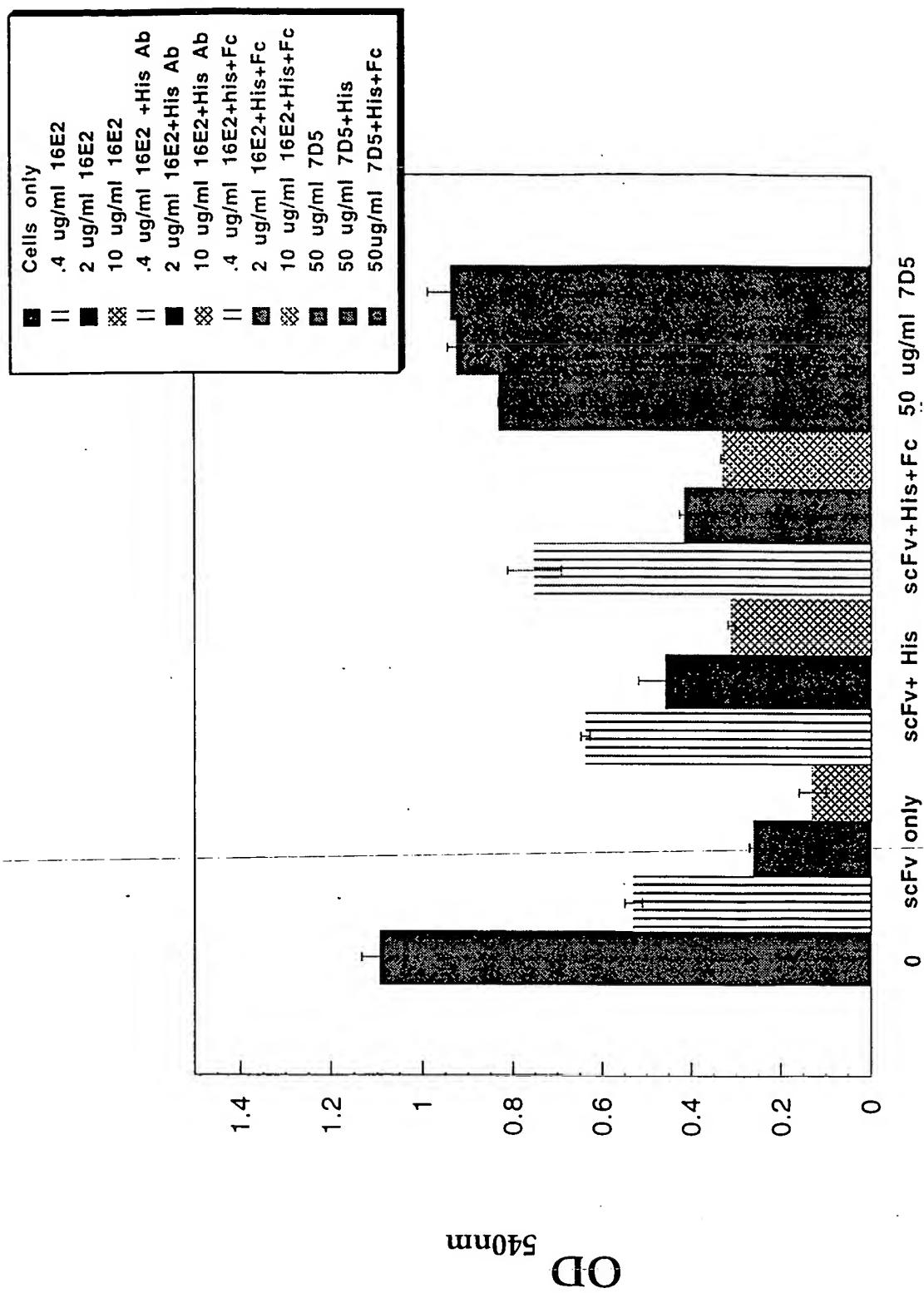


Fig. 13B

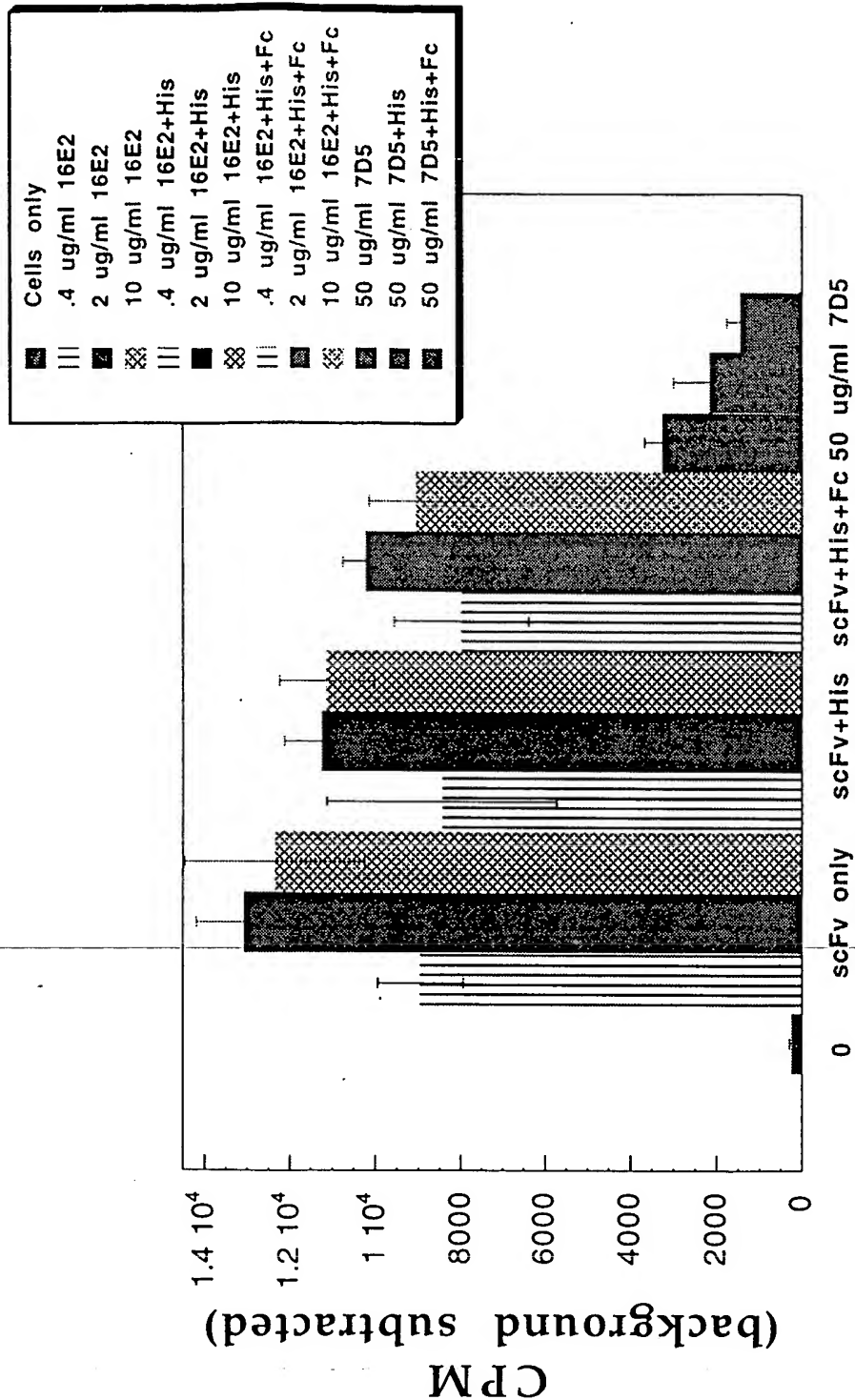


Fig. 13C

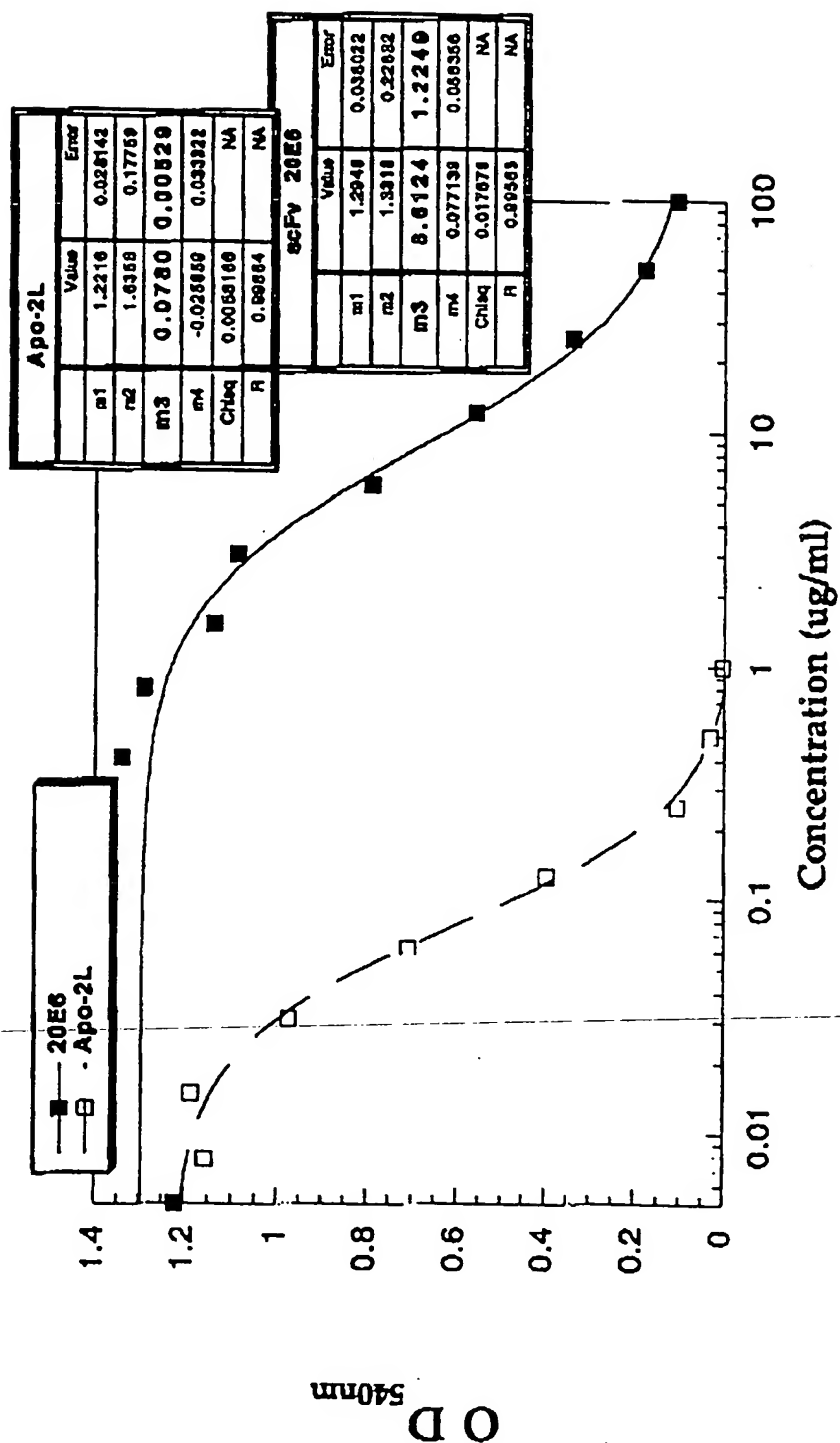


Fig 14A

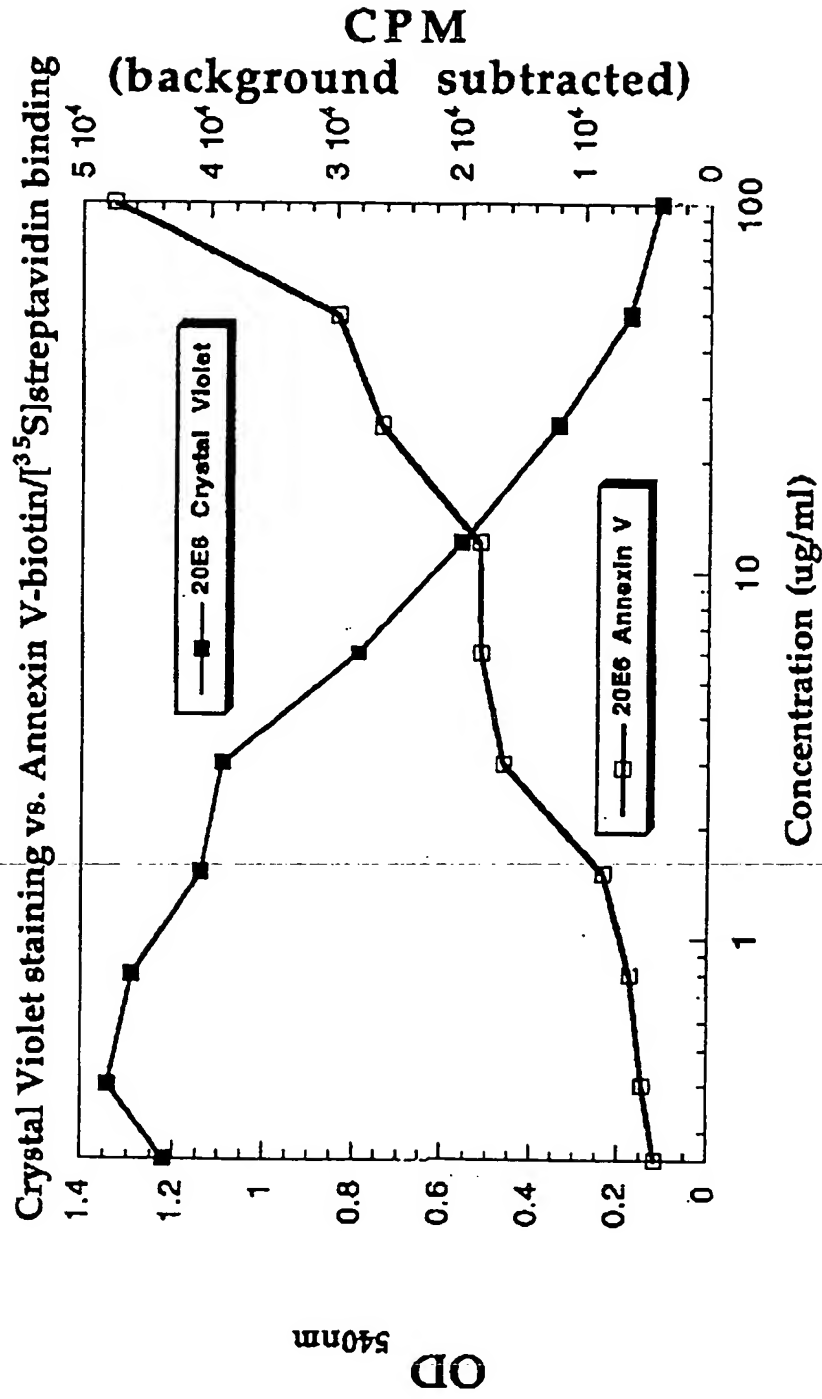


Fig. 14B

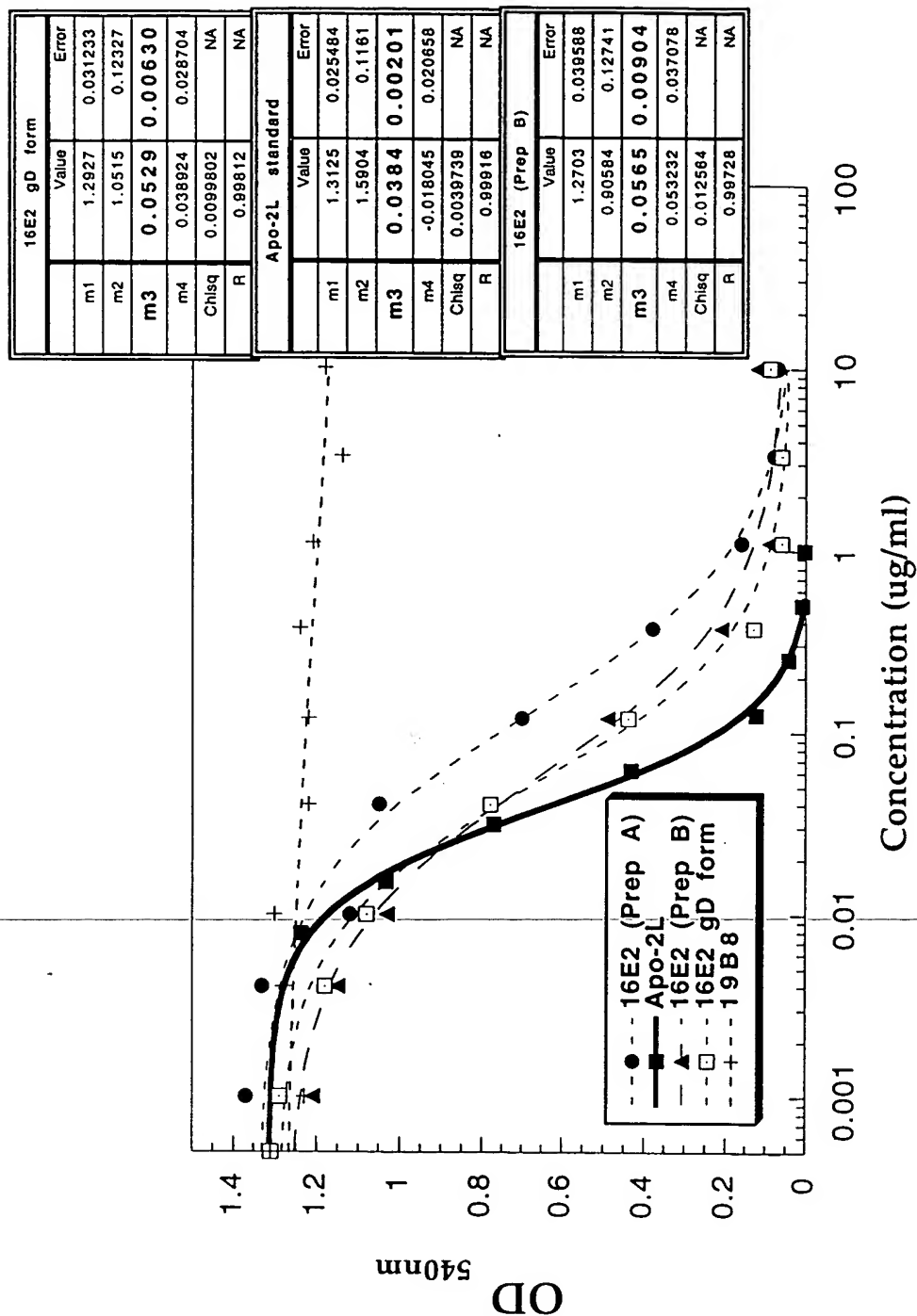


Fig. 14C

ATGACCATGA TTACGCCAAG CTTTGGAGCC TTTT TTTTGG AGATTTTCAA 50
 CGTGAAAAAA TTATTATTCG CAATTCCTTT AGTTGTTTCCT TTCTATGCGG 100
 CCCAGCCGGC CATGGCCGAG GTGCAGCTGG TGCAGTCTGG GGGAGGTGTG 150
 GAACGGCCGG GGGGGTCCCT GAGACTCTCC TGTGCAGCCT CTGGATTAC 200
 CTTTGATGAT TATGGCATGA GCTGGGTCCG CCAAGCTCCA GGAAGGGGC 250
 TGGAGTGGGT CTCTGGTATT AATTGGAATG GTGGTAGCAC AGGATATGCA 300
 GACTCTGTGA AGGGCCGAGT CACCATCTCC AGAGACAACG CCAAGAACTC 350
 CCTGTATCTG CAAATGAACA GCCTGAGAGC CGAGGACACG GCCGTATATT 400
 ACTGTGCGAA AATCCTGGGT GCCGGACGGG GCTGGTACTT CGATCTCTGG 450
 GGAAGGGGA CCACGGTCAC CGTCTCGAGT GGTGGAGGCG GTTCAGGCGG 500
 AGGTGGCAGC GCGGGTGGCG GATCGTCTGA GCTGACTCAG GACCCTGCTG 550
 TGTCTGTGGC CTTGGGACAG ACAGTCAGGA TCAATGCCA AGGAGACAGC 600
 CTCAGAAGCT ATTATGCAAG CTGGTACCAG CAGAAGCCAG GACAGGCCCC 650
 TGTACTTGTC ATCTATGGTA AAAACAACCG GCCCTCAGGG ATCCCAGACC 700
 GATTCTCTGG CTCCAGCTCA ~~GGAAACACAG~~ CTTCTTGAC CATCACTGGG 750
 GCTCAGGCGG AAGATGAGGC TGACTATTAC TGTAACCTCC GGGACAGCAG 800
 TGGTAACCAT GTGGTATTCG GCGGAGGGAC CAAGCTGACC GTCCTAGGTG 850
 CGGCCGCACA TCATCATCAC CATCACGGGG CCGCAGAACA AAAACTCATC 900
 TCAGAAGAGG ATCTGAATGG GGCCGCATAG 930

Fig. 15A

ATGACCATGA TTACGCCAAG CTTTGGAGCC TTTTTTTTGG AGATTTTCAA 50
 CGTGAAAAAA TTATTATTCG CAATTCCTTT AGTTGTTTCCT TTCTATGCGG 100
 CCCAGCCGGC CATGGCCGGG GTGCAGCTGG TGGAGTCTGG GGGAGGCTTG 150
 GTCCAGCCTG GGGGGTCCCT GAGACTCTCC TGTGCAGCCT CTGGATTAC 200
 CTTTAGTAGC TATTGGATGA GCTGGGTCCG CCAGGCTCCA GGAAGGGGC 250
 TGGAGTGGGT GGCCAACATA AAGCAAGATG GAAGTGAGAA ATACTATGTG 300
 GACTCTGTGA AGGGCCGATT CACCATCTCC AGAGACAACG CCAAGAACTC 350
 ACTGTATCTG CAAATGAACA GCCTGAGAGC CGAGGACACG GCTGTGTATT 400
 ACTGTGCGAG AGATCTTTTA AAGGTCAAGG GCAGCTCGTC TGGGTGGTTC 450
 GACCCCTGGG GGAGAGGGAC CACGGTCACC GTCTCGAGTG GTGGAGGCGG 500
 TTCAGGCGGA GGTGGTAGCG GCGGTGGCGG ATCGTCTGAG CTGACTCAGG 550
 ACCCTGCTGT GTCTGTGGCC TTGGGACAGA CAGTCAGGAT CACATGCCAA 600
 GGAGACAGCC TCAGAAGCTA TTATGCAAGC TGGTACCAGC AGAAGCCAGG 650
 ACAGGCCCCT GTACTTGTCA TCTATGGTAA AAACAACCGG CCCTCAGGGA 700
 TCCCAGACCG ATTCTCTGGC TCCAGCTCAG GAAACACAGC TTCCTTGACC 750
 ATCACTGGGG CTCAGGCGGA AGATGAGGCT GACTATTACT GTAACCTCCG 800
 GGACAGCAGT GGTAACCATG TGGTATTCGG CGGAGGGACC AAGCTGACCG 850
 TCCTAGGTGC GGCCGCACAT CATCATCACC ATCACGGGGC CGCAGAACAA 900
 AAACTCATCT CAGAAGAGGA TCTGAATGGG GCCGCATAG 939

Fig. 15B

ATGACCATGA TTACGCCAAG CTTTGGAGCC TTTTTTTTGG AGATTTTCAA 50
 CGTGAAAAAA TTATTATTCG CAATTCCTTT AGTTGTTTCCT TTCTATGCGG 100
 CCCAGCCGGC CATGGCCCAG GTGCAGCTGG TGCAGTCTGG GGGAGGCGTG 150
 GTCCAGCCTG GGCGGTCCCT GAGACTCTCC TGTGCAGCTT CTGGGTTCAT 200
 TTTTCAGTAGT TATGGGATGC ACTGGGTCCG CCAGGCTCCA GGCAAGGGGC 250
 TGGAGTGGGT GGCAGGTATT TTTTATGATG GAGGTAATAA ATACTATGCA 300
 GACTCCGTGA AGGGCCGATT CACCATCTCC AGAGACAATT CCAAGAACAC 350
 GCTGTATCTG CAAATGAACA GCCTGAGAGC TGAGGACACG GCTGTGTATT 400
 ACTGTGCGAG AGATAGGGGC TACTACTACA TGGACGTCTG GGGCAAAGGG 450
 ACCACGGTCA CCGTCTCCTC AGGTGGAGGC GGTTCAGGCG GAGGTGGCTC 500
 TGGCGGTGGC GGATCGCAGT CTGTGTTGAC GCAGCCGCCC TCAGTGTCTG 550
 GGGCCCCAGG ACAGAGGGTC ACCATCTCCT GCACTGGGAG AAGCTCCAAC 600
 ATCGGGGCAG GTCATGATGT AACTGGTAC CAGCAACTTC CAGGAACAGC 650
 CCCCAAATC CTCATCTATG ATGACAGCAA TCGGCCCTCA GGGGTCCCTG 700
 ACCGATTCTC TGGCTCCAGG TCTGGCACCT CAGCCTCCCT GGCCATCACT 750
 GGGCTCCAGG CTGAAGATGA GGCTGATTAT TACTGCCAGT CCTATGACAG 800
 CAGCCTGAGG GGTTCGGTAT TCGGCGGAGG GACCAAGGTC ACTGTCCTAG 850
 GTGCGGCCGC ACATCATCAT CACCATCACG GGGCCGCAGA AAAAAAATC 900
 ATCTCAGAAG AGGATCTGAA TGGGGCCGCA TAG 933

Fig. 15C

	signal	Heavy chain
Apo-2.16E2.his	1	MIMITPSFGAFFLEIFNVKLLFAIPLVVPFYAAQPAMAEVQLVQSGGGV
Apo-2.20E6.his	1	MIMITPSFGAFFLEIFNVKLLFAIPLVVPFYAAQPAMAGVQLVESGGGL
Apo-2.24C4.his	1	MIMITPSFGAFFLEIFNVKLLFAIPLVVPFYAAQPAMAQVQLVQSGGGV
	CDR1	CDR2
Apo-2.16E2.his	51	ERPGGSLRLSCAASGFTFDDYGM SW RQAPGKGLEWVSGINWNGGSTGYA
Apo-2.20E6.his	51	VQPGGSLRLSCAASGFTFSSYWM SW RQAPGKGLEWVANIKODGSEKYYV
Apo-2.24C4.his	51	VQGRSLRLSCAASGFIFSSYGM HW RQAPGKGLEWVAGIFYDGGNKYYA
		CDR3
Apo-2.16E2.his	101	DSVKGRVTISRDNAKNSLYLQMNSLRAEDTAVYYCAKIL---GAGRGWY
Apo-2.20E6.his	101	DSVKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCARDLLKVKGSSSGW-
Apo-2.24C4.his	101	DSVKGRFTISRDNASKNTLYLQMNSLRAEDTAVYYCARD-----RGYY
		Light chain
Apo-2.16E2.his	147	F-DLWGKGTITVTIVSSGGGSGGGGSGGGGS-SELTQDPAVSVALGQIVRI
Apo-2.20E6.his	150	F-DFWGRGTITVTIVSSGGGSGGGGSGGGGS-SELTQDPAVSVALGQIVRI
Apo-2.24C4.his	143	YMDVWGKGTITVTIVSSGGGSGGGGSGGGGSQSVLTQPPSVSGAPGQRTI
	CDR1	CDR2
Apo-2.16E2.his	195	TCQGD SLR ---SYYASWYQQKPGQAPVLVTYGKNNRPSGIPDRFSGSSSG
Apo-2.20E6.his	198	TCQGD SLR ---SYYASWYQQKPGQAPVLVTYGKNNRPSGIPDRFSGSSSG
Apo-2.24C4.his	193	SC TGRSSNIGAGHDVHWYQQLPGTAPKLLTYDDSNRPSGVPDRFSGSRSG
		CDR3
Apo-2.16E2.his	242	NTASLTITGAQAEDEADYYCNSRDSSGNHVVF GGG TKLTVLGAAAHHHHH
Apo-2.20E6.his	245	NTASLTITGAQAEDEADYYCNSRDSSGNHVVF GGG TKLTVLGAAAHHHHH
Apo-2.24C4.his	243	TSASLAITGLQAEDEADYYCQSYDSSLRGSVF GGG TKVTVLGAAAHHHHH
Apo-2.16E2.his	292	HGAAEQKLISEEDLN GAA
Apo-2.20E6.his	295	HGAAEQKLISEEDLN GAA
Apo-2.24C4.his	293	HGAAEQKLISEEDLN GAA

Fig. 16